

BOOKS RECEIVED

JOE LIGGIO and ANN ORTO LIGGO. 1999. **Wild Orchids of Texas**. Photographs by Joe Liggio; Scientific Advisor, David H. Riskind. (ISBN 0-292-74712-8, hbk.). The University of Texas Press, P.O. Box 7819, Austin, TX 78713-7819, U.S.A. \$29.95. 228 pp., 87 color photos, distribution maps.

"This beautifully illustrated book presents all [known] 54 wild orchids of Texas." Contents include: Preface, Acknowledgments, Texas Treasures: Fifty-four Types of Orchids, An Infinite Variety, The Discriminating Orchid, The Natural Regions of Texas, How Texas Orchid Habitats are Described in This Book, Orchids of the Bogs and Savannas, Orchids of Open Sunny Habitats, Orchids of Forests and Woodlands, Orchids of the Mountains and Canyons, Texas Orchids by Flower Color, Texas Orchids by Genus and Species, Appendix A. Sources of Scientific Names, Appendix B. Excluded Species, Appendix C. Species Distribution by County, Literature Cited, and Index. A full review is forthcoming in the next issue.

WARREN L. WAGNER and V.A. FUNK (Editors). 1995. **Hawaiian Biogeography: Evolution on a Hot Spot Archipelago**. (ISBN 1-56098-463-5, pbk.). Smithsonian Institution, 470 L'Enfant Plaza, Suite 7100, Washington, D.C. 20560 (Marketing Dept. 202-287-3738). \$45.00 hbk, \$25.00 pbk. 467 pp., numerous figures.

"*Hawaiian Biogeography* compares the biogeographic patters of many of the archipelago's species—various flowering plants, birds, spiders, and insects, including fruit flies—with its known geological history. Contributors apply, for the first time, a consistent phylogenetic methodology, using modern cladistic techniques, to a variety of lineages to identify common or discordant evolutionary and biogeographic patters among the constituent species." Contents include: Preface, Acknowledgments, Contributors, Introduction, Geology and Biogeography of the Hawaiian Islands, Cladistic Methods, Biogeographic Patterns of Two Independent Hawaiian Cricket Radiations (*Laupala* and *Prognathobryllus*), Chromosome and Male Genitalia of Hawaiian Drosophila: Tools for Interpreting Phylogeny and Geography, Molecular Approaches to Biogeographic Analysis of Hawaiian Drosophilidae, Evolution of *Sarona* (Heteroptera, Miridae): Speciation of Geographic and Ecological Islands, Comparison of Speciation Mechanisms in Web-Building and Non-Web-Building Groups within a Lineage of spiders, Evolutionary Relationships of the Hawaiian Honeycreepers (Aves, Drepanidinae), Biogeography of Seven Ancient Hawaiian Plant Lineages, Phylogeny, Adaptive Radiation, and Biogeography of Hawaiian *Tetramolopium* (Asteraceae, Astereae), Phylogeny and Biogeography in *Schiedea* and *Absonidendron* (Caryophyllaceae), Historical Biogeography and Ecology of the Hawaiian Silversword Alliance (Asteraceae): New Molecular Phylogenetic Perspectives, Molecular Evolution, Adaptive Radiation, and Geographic Speciation in *Cyanea* (Campanulaceae, Lobelioideae), Patterns of Speciation and Biogeography in *Clermontia* (Campanulaceae, Lobelioideae), Phylogenetic Analysis of Hawaiian and Other Pacific Species of *Scaevola* (Goodeniaceae), Biogeographic Patterns in the Hawaiian Islands, Postscript, Literature Cited, and Index.